

Subject Index to Volume 106

Numbers in parenthesis in italic type after the volume number are the issue numbers

- No. 1 January–February
- No. 2 March–April
- No. 3 May–June
- No. 4 July–August
- No. 5 September–October
- No. 6 November–December

A

absorbed dose 843(5)
acoustic thermometry 105(1)
activation analysis 187(1)
Advanced Encryption Standard (AES). 511(3)
alignment standard 1071(6)
ALOFT 231(1)
GUM 867(5)
aperiodic crystals 975(6)
applied magnetic field 953(6)
ARPA. 1135(6)
asymmetry. 795(5)
atomic clock 47(1)
atomic frequency standard 47(1)
atomic force 1(1)
autoionization 795(5)

B

barium fluoride films 589(3)
biomembrane. 187(1)
biomaterial 1029(6)
biominerals 1035(6)
blackbodies 823(5)
blackbody sources. 105(1)
bone graft 1029(6)
bone repair 1029(6)
branching ratios 795(5)
bulk and thin film samples 1063(6)

C

calcium phosphates. 1035(6)
calibration 39(1), 315(1), 371(2), 649(4), 857(5)
calibration and measurement assurance. 279(1)
calorimeter 843(5)
CD-ROM data storage . . . 1013(6)cement . . . 1051(6)
cement clinker. 1051(6)

ceramic oxides 1097(6)
ceramics 1045(6), 1063(6), 1141(6)
certified reference materials 315(1)
clock 47(1)
combustion 231(1)
concrete. 1051(6)
concrete mixers. 391(2)
condensed matter 187(1)
construction materials. 1051(6)
convection. 843(5)
Cr-content 1071(6)
critical current. 657(4)
critically evaluated data 315(1)
cryogenic radiometer 641(4)
cryptanalysis 511(3)
cryptographic algorithms 511(3)
cryptography 511(3)
crystal chemistry. 1097(6)
crystal structure. 997(6), 1035(6)
crystallographic texture 605(3), 1063(6)
crystallography 889(6), 965(6), 983(6), 997(6),
1097(6), 1135(6)

D

data exchange 413(2)
database. 1045(6)
deconvolution 293(1)
detector 577(3)
diamond anvil cell (DAC) 889(6)
dicalcium phosphate anhydrous 1029(6)
diffraction 187(1), 775(5)
digital libraries 293(1)
dilute hydrochloric acid solutions 471(2)
dimensional measurement 867(5)
dislocations 1135(6)
DLC coating 627(4)
drift 577(3)
durability 1051(6)

E

electret detectors	781(5)
electrical engineering	39(1)
electrical substitution radiometry	641(4)
electron diffraction	997(6)
electronic applications	605(3)
electronic materials	1097(6)
ellipsometer	589(3)
encryption	511(3)
environment	781(5)
error analysis and uncertainty	279(1)
evaluated data	1045(6)
excess heat	843(5)
exposure rate	857(5)
EXPRESS language	413(2)

F

finite element analysis	843(5)
fire retardants	731(4)
flame inhibition	731(4)
flames	731(4)
fluorapatite	1035(6)
fluorescence intensity	381(2)
force	25(1)
Fraunhofer	775(5)
free-air chamber	857(5)
free-radicals	1135(6)
frequency standard	47(1)

G

G-M detectors	781(5)
gas thermometry	105(1)
glaserite	1035(6)

H

hardware	341(1)
³ He	709(4)
heat flux	823(5)
helium	709(4)
HgCdTe	577(3)
high pressure	889(6)
high temperature superconductors	657(4)
historical research highlights	921(6)
history of NBS	279(1), 293(1)
hydrostaticity	889(6)
hydroxyapatite	1029(6), 1035(6)
hysteresis	627(4)

I

influence quantities	371(2)
information model	413(2)
information technology	341(1)
infrared	577(3)
interferometer	833(5)
interferometry	1(1)
interlaboratory comparison	657(4)
interlaboratory testing	279(1)
international round robin	1071(6)
Internet	39(1)
interoperability	341(1)
iodine-125 seed	857(5)
ion chamber detectors	781(5)

J

Johnson noise thermometry	105(1)
Josephson arrays	39(1)
Josephson constant	627(4)

K

kelvin	105(1)
kilogram	25(1)
kilogram artifact	627(4)

L

large eddy simulation	231(1)
laser power	36(1)
laser-cooling of atoms	47(1)
legal metrology	315(1)
length	1(1)
linear algebra	293(1)
link distance	401(2)

M

machine performance test	413(2)
machine tools	413(2)
macromolecular crystallography	1155(6)
magnetic field angle	657(4)
magnetic hysteresis	657(4)
magnetic multilayers	953(6)
magnetic order parameter	953(6)
magnetic structure	953(6)

magnetic symmetry	953(6)	phase transitions	997(6)
mass.	25(1)	photoconductive	577(3)
materials properties	1045(6)	photocurrent	577(3)
materials science.	1051(6), 1141(6),	photodiode.	577(3)
mathematical lattices	983(6)	photoelectron spectra	795(5)
mathematical reference data.	293(1)	photometry	36(1)
mathematical software	293(1)	physical properties	1045(6)
measurand	371(2)	Planck constant.	627(4)
measurement methods	279(1)	point defects	1133(6)
measurement systems	315(1)	polarization	709(4)
measurement uncertainty	867(5)	polarization analysis	953(6)
measurement units	39(1)	polycrystalline.	889(6)
mechanical properties.	1045(6)	polymers	187(1), 1141(6)
melt growth.	1135(6)	pool fires.	231(1)
metallurgy	1141(6)	powder data evaluation	1013(6)
metals	1063(6)	powder diffraction.	965(6)
metastability exchange	709(4)	powder x-ray diffractometer.	1063(6)
micromagnetic modeling	293(1)	power.	775(5)
microporous materials	965(6)	preamplifier.	577(3)
microscopes.	1(1)	pressure dependence.	953(6)
mixer efficiency	391(2)	probability distribution.	401(2)
mobile networks	401(2)	profile refinement	921(6)
MRI.	709(4)	protein crystallography	1155(6)
multimedia communications	455(2)	proteins	1155(6)
		purification	1135(6)
		pyrometers.	105(1)
N			
NBS Reactor.	921(6)		
neutron	187(1), 709(4)	Q	
neutron crystallography.	1155(6)	quantitative fluorescence	381(2)
neutron diffraction	953(6), 965(6)	quasicrystals	975(6), 997(6)
new branch of crystallography	975(6)		
NIST SRM 1990.	1071(6)	R	
noise	577(3)	radiation	781(5)
nonlinear programming	441(2)	radiation temperature	36(1)
		radiation thermometry	105(1)
O			
octacalcium phosphate	1035(6)	radioactivity	781(5)
offshore drilling	231(1)	radiometry.	649(4), 775(5)
oil spills.	231(1)	re-entrant chamber	857(5)
optical pumping	709(4)	reference data	341(1)
		reflectivity.	187(1)
P			
parameter estimation.	293(1)	Research Associateship	1013(6)
phase equilibria.	1097(6)	residual stress	187(1)
		resistance measurements.	39(1)
		Rietveld refinements.	691(4)
		Rijndael.	511(3)
		ruby pressure measurement	889(6)
		ruby spheres	1071(6)

S

scintillation detectors 781(5)
 self-setting calcium phosphate cement 1029(6)
 semiconductors 1141(6)
 sensors 823(5)
 signal set 441(2)
 silicon photodiode 641(4)
 silver-silver-chloride electrode 471(2)
 single crystal 889(6)
 single crystal x-ray diffractometers 1071(6)
 single-crystal and powder neutron diffraction 921(6)
 smoke plumes 231(1)
 smoke sampling 231(1)
 smoke yield 231(1)
 software 341(1)
 software testing 293(1)
 solution growth 1135(6)
 spin filter 709(4)
 SPRTs 105(1)
 Sr₂RGaCu₂O₇ 691(4)
 SRM 315(1)
 SRMs for powder diffraction 1013(6)
 standard exchange of product model data 413(2)
 standard powder x-ray diffraction patterns 1013(6)
 standard reference data 315(1)
 standard reference materials 279(1)
 standards 36(1), 381(2), 857(5)
 statistical computing 279(1)
 stone 1051(6)
 stored-ion frequency standard 47(1)
 structural biology databases 1155(6)
 structural ceramics 1045(6)
 superconductivity 1045(6)
 superconductor related phases 691(4)
 symmetry determination 983(6)
 symmetry of crystals 1135(6)
 synchrotron radiation 1141(6)
 systematic error 371(2)

T

tetracalcium phosphate 1029(6)
 theoretical crystal geometry 921(6)
 thermal properties 1045(6)
 thermal radiation 823(5)
 thermistor 843(5)
 thermocouples 105(1)
 thermodynamic properties 471(2)
 thermoluminescent detectors 781(5)
 third generation mobile systems 455(2)
 time 47(1)

traceability 1(1), 315(1)
 transfer calibration 823(5)
 transmission electron microscopy 997(6)
 trap detector 641(4)
 twinning 1135(6)

U

ultrasonic wave 833(5)
 ultraviolet 649(4)
 uncertainty 25(1), 371(2), 649(4)
 uncertainty analysis 279(1)

V

vapor growth 1135(6)

W

water calorimeter 843(5)
 watt balance 627(4)
 WCDMA 455(2)
 wireless communication 401(2)
 wireless networks 401(2)
 wireless video 455(2)

X

x-ray crystallography 1155(6)
 x-ray instrumentation 1141(6)
 x-ray powder patterns 691(4)

Z

zeolite 965(6)